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(54) Title: RHESUS MONKEY BOMBESIN RECEPTOR SUBTYPE-3 (BRS-3), NUCLEOTIDES ENCODING SAME, AND USES THEREOF

Nucleotide Sequence of Rhesus Monkey BRS-3

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1 ATGGCTCAAA GGCAGCCTCA CTCACCTAAT CAGACTTTAA TTTCAATCAC
51 AAATGACACA GAATCAAGCT CTGTGGTTTC TAACGATAAC ACAAATAAAG
101 GACGGAGCGG GGACAACCTC CCAGGAATAG AAGCATTGTG TGCCATCTAT
151 ATTACTTATG CTGTGATCAT TTCAGTGGGC ATCCTTGGAA ATGCTATTCT
201 CATCAAAGTC TTTTCAAGA CCAAATCCAT GCAAACAGTT CCAAATATTT
251 TCATCACCAG CCTGGCTTTT GGAGATCTTT TACTTCTGCT AACTTGTGTG
301 CCAGTGGATG CAACCCACTA CCTTGCAGAA GGATGGCTGT TCGGAAGAAT
351 TGGTTGTAAG GTGCTCTCTT TCATCCGGCT CACTTCTGTT GGTGTGTCAG
401 TGTTACAGTT AACAATTCTC AGCGCTGACA GATACAAGGC AGTTGTGAAG
451 CCACTTGAGC GACAGCCCTC CAATGCCATC CTGAAGACTT GTATAAAAGC
501 TGGCTGCGTC TGGATCGTGT CTATGATATT TGCTCTACCT GAGGCTATAT
551 TTTCAAATGT ATATTCTTTT CGAGATCCCA ACAAATATGT GACATTTGAA
601 TCGTGACCT CTTATCCTGT CTCTAAGAAG CTCTTGCAAG AAATACATTC
651 TCTGCTGTGC TTCTTAGTGT TCTACATTAT TCCACTCTCT ATTATCTCTG
701 TCTATTATTC TTGATTGCT AGGACCCCTT ATAAAGCAC CCTGAACATA
751 CCTACTGAGG AACAAGGCCA TGCCCGTAAG CAGATTGAAT CCCGGAAGAG
801 AATTGCCAGA ACGGTATTGG TGTGGTGGC TCTGTTGGC CTCTGCTGGT
851 TGCCAAATCA CCTCCTGTAC CTCTACCATT CATTCACTTC TCAAACCTAT
901 GTAGACCCCT CTGCCATGCA TTTCATTTTC ACCATTTTCT CTCGGGTTCT
951 GGCTTTTACG AATTCTTGGG TAAACCCCTT TGCTCTCTAC TGGCTGAGCA
1001 AAACCTTCCA GAAGCATTTT AAAGCTCAGT TGTCTGTG CAAGGCAGAG
1051 CAGCCTGAGC CTCCTGTTGC TGACACCTCT CTTACCACCC TGGCTGTGAT
1101 GGAAGGGTC CCGGGCACTG GGAACATGCA GATGCTGAA ATTAGTGTGA
1151 CCTCGTTCCC TGGGTGTAGT GTGAAGCAGG CAGAGGATAG AGTCTAG
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(SEQ ID NO:1)

(57) Abstract: A rhesus monkey bombesin receptor subtype-3 has been isolated, cloned and sequenced. This receptor is characteristic of the G-protein family of receptors. Isolated rhesus monkey bombesin receptor subtype-3 may be used to screen and identify novel bombesin receptor modulators that may contribute to the regulation of endocrine processes, metabolism, or the cell cycle. Such compounds may be used in the treatment of conditions that result from deregulated expression of bombesin receptor subtype-3.

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